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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,270	01/21/2004	Kia Silverbrook	RRA23US	1025
24011 7590 12/10/2009 SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA			EXAMINER UHLENHAKE, JASON S	
			ART UNIT 2853	PAPER NUMBER
			NOTIFICATION DATE 12/10/2009	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/760,270	Applicant(s) SILVERBROOK, KIA	
	Examiner JASON S. UHLENHAK	Art Unit 2853	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 October 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/7/2009</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/13/2009 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Domoto et al (U.S. Pat. 4,580,148) in view of Bolash et al (U.S. Pat. 6,183,063)

Domoto discloses:

- ***regarding claim 1***, an inkjet printer cradle including: a body (printer body) defining an elongate recess dimensioned to locate a removable elongate inkjet cartridge (41), the removable inkjet cartridge having a page width print head (40) and an ink supply for supplying ink to the print head (Column 8, Lines 33-40)

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- power and data terminals positioned within either end (terminate at one end) of the recess to contact corresponding power and data terminals located upon either end of the cartridge upon insertion of the cartridge into the recess (Column 6, Lines 40-48; Column 8, Lines 33-59)

- **regarding claims 3, 4**, wherein the recess is elongate (Figures 6-7; Column 8, Lines 33-59)

Domoto does not disclose expressly the following:

- **regarding claim 1**, terminals positioned on longitudinal end; the contacted power terminals of the cradle and cartridge communicating power to inkjet nozzles of the print head via busbars which extend along the page width of the print head and the contacted data terminals of the cradle and cartridge communicating data to the print head at both ends of the page width of the print head

- **regarding claim 2**, wherein the terminals are located upon one or more walls of the recess

- **regarding claim 3**, wherein the terminals are located on at least one end wall of the recess

- **regarding claim 4**, wherein the terminals are located on opposing end walls of the recess

However regarding claim 1, Domoto discloses terminal ends of the electrodes are in contact with circuitry in the carriage and printer in order to enable selective addressing of data and power to each of the heating elements. Therefore it is obvious Domoto incorporate communication via busbars to extend along the width of the page

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width print head for the purpose of selectively enabling each of the heating elements (Column 6, Lines 40-48; Column 8, Lines 33-59)

Bolash discloses:

- ***regarding claim 1***, terminals positioned on the longitudinal end of the recess (Figure 1A; Column 3, Line 65 – Column 4, Line 11), for the purpose of activating ink ejection devices on the print head
- ***regarding claim 2***, wherein the terminals are located upon one or more walls of the recess (Figure 1A; Column 3, Line 65 – Column 4, Line 11), for the purpose of activating ink ejection devices on the print head
- ***regarding claim 3***, wherein the terminals are located on at least one end wall of the recess. (Figure 1A: Column 3, Line 65 – Column 4, Line 11), for the purpose of activating ink ejection devices on the print head
- ***regarding claim 4***, wherein the terminals are located on opposing end wall of the recess (Figure 1A: Column 3, Line 65 – Column 4, Line 11), for the purpose of activating ink ejection devices on the print head

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Bolash into the device of Domoto, for the purpose of activating ink ejection devices on the print head and selectively enabling each of the heating elements

Response to Arguments

Applicant's arguments with respect to claims 1-4 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JASON S. UHLENHAKE whose telephone number is (571)272-5916. The examiner can normally be reached on Monday-Friday 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/JASON S UHLENHAKE/
Examiner, Art Unit 2853
December 4, 2009

/Julian D. Huffman/
Primary Examiner, Art Unit 2853